

Project Title _____

Date _____

Note: This sheet must also be submitted with a DHW-1 water heating worksheet, as well as a DHW-2B form with large storage gas heaters in multi-family buildings.

Indirect Gas Water Heaters

1. Storage tank Manufacturer/Model No. _____
2. Boiler and Instantaneous Heater Manufacturer/Model No. _____
3. Storage tank insulation R-value: Tank _____ External _____ Total = _____
4. Storage tank volume (gallons) _____
5. Boiler AFUE or Instantaneous Water Heater Thermal (Recovery) Efficiency EFF = _____
6. Adjusted Recovery Load (MBtu/yr, from Line 1e, DHW-1) ARL = _____
7. Jacket loss (MBtu/yr, from Table 6-8E) JL = _____
8. Pilot Energy (Btuh, from appliance database, or use 800) PE = _____
9. Basic Energy Use: $BEU = \frac{ARL + JL}{0.98 \times EFF} + (PE \times 0.00876)$ BEU = _____
(Enter BEU on DHW-1, Line 2a for single family or on DHW-2B, Line 12b for multi-family)

Large Storage Gas Heater¹ (> 75,000 Btuh input)

1. Water Heater Manufacturer _____
2. Water Heater Model No. _____
3. Storage Tank Volume (gallons) VOL = _____
4. Water Heater Thermal (Recovery) Efficiency (decimal fraction) EFF = _____
5. Adjusted Recovery Load (Mbtu/yr)
(From Line 1e, DHW-1 for single family or Line 11b, DHW-2B for multi-family) ARL = _____
6. Standby Loss % (from appliance database - e.g., "2.7") SBL% = _____
7. Basic Energy Use: $BEU = \frac{ARL}{EFF} + \frac{(5.461 \times SBL \times VOL)}{100}$ BEU = _____
(Enter BEU on DHW-1, Line 2a for single family or on DHW-2B, Line 12b for multi-family)

¹ The Domestic Hot Water Heating forms (DHW series) restrict the user to only one Large Storage Gas Heater per permitted space. In order to use more than one Large Storage Gas Heater the computer performance method must be used.